

Federal Fleet AFVs and Alternative Fuel Use Requirements and Status

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Topics



- **AFV Legislation and Mandates**
 - ◆ Energy Policy Act of 1992 (EPAct)
 - ◆ Energy Conservation and Reauthorization Act of 1998 (ECRA)
 - ◆ Executive Order 13149
- **Data Collection and Reporting Requirements**
 - ◆ FAST Database System
 - ◆ Annual Reporting
- **Federal AFV Acquisitions and Fuel Use**

AFV Legislation: EPA Act of 1992



- Goal of petroleum reductions through AFV requirements and use
- Currently applies to Federal, state and fuel provider fleets
 - ◆ with 20+ vehicles capable of central fueling
 - ◆ located in 124 metro areas with 250,000+ populations (1980)
- Light duty vehicles only – less than 8,500 lb GVW

AFV Legislation: EPA Act of 1992 (Continued)



- AFVs required for 75% of light duty vehicle acquisitions beginning with MY 1999
- Exemptions for fleet size, geographic, non-MSA operation, vehicle mission (security or emergency)
- EPA Act amended by Energy Conservation and Reauthorization Act of 1998 (ECRA)
 - ◆ Requires annual AFV compliance report submitted to Congress by each agency starting in FY 1999
 - ◆ Provides for biodiesel fuel use credits

AFV Mandate: E.O. 13149 (April, 2000)



- 20% reduction in annual petroleum consumption by FY 2005.
- Use alternative fuel in AFVs the majority of the time by FY 2005.
- Increase average fuel economy of new light duty acquisitions:
 - ◆ 1.0 mpg Increase by FY 2002
 - ◆ 3.0 mpg Increase by FY 2005
- Exemptions for security and emergency vehicles
- Annual compliance reports to DOE
- Supersedes E.O. 13031

Summary of Federal Fleet Exemptions: EPAct vs. E.O. 13149



Exemptions	EPAct	E.O. 13149
Geographic	Fleets operating outside of MSAs with 1980 populations of 250K+	Fleets located outside of the U.S.
Fleet Size	Fleets operating < 20 vehicles in a covered MSA	Agencies operating < 20 vehicles nationwide
Vehicle Type	Vehicles used for law enforcement, emergency, and tactical purposes as well as non-road vehicles	Vehicles used for law enforcement, emergency, and tactical purposes as well as non-road vehicles
Vehicle Class	Medium and heavy duty vehicles	

AFV Legislation and Mandates Summary



- AFV legislation evolved for emissions and petroleum fuel reductions
- For EPCRA covered fleets, requires 75% AFVs for light duty acquisitions
- Annual AFV compliance report by each agency starting in FY 1999
- 20% reduction in annual petroleum consumption by FY 2005.
- Majority of fuel used in AFVs must be alternative fuel by FY 2005
- Increase average fuel economy of new light duty acquisitions

Data Collection & Reporting Requirements



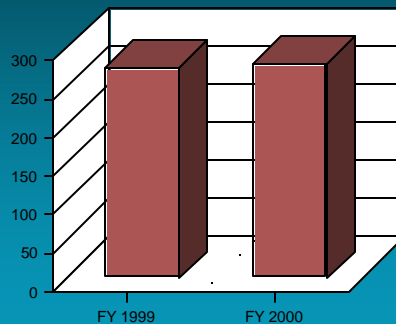
- Multiple fleet reporting requirements recognized
- On-line reporting system developed and supported by DOE-EE, GSA, and DOE-EIA called Federal Automotive Statistical Tool (FAST)
- FAST benefits include:
 - ◆ consolidates fleet reporting requirements for E.O. 13149, EPCRA, & SF- 82
 - ◆ stores data for easy access/review and annual reporting
 - ◆ simplifies reporting process and eliminates paperwork
 - ◆ rolls-up fleet level data to agency-level automatically

Data Collection & Reporting Requirements Summary

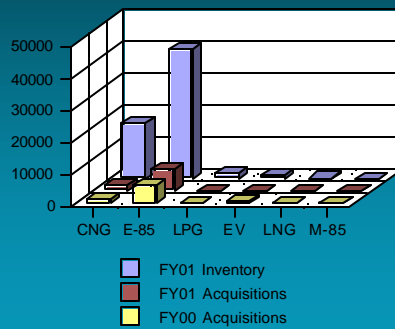


- Fleets report data using FAST system
 - ◆ conventional and alternative fuel vehicle acquisitions, plans, and projections
 - ◆ vehicle cost/mileage data – SF82 data
 - ◆ petroleum and alternative fuel consumption
- Agency FAST data due annually November 1st
- Agency AFV reports (written report & agency data) due November 13th
- DOE submits summary report on agencies' compliance to White House & OMB by March 1st

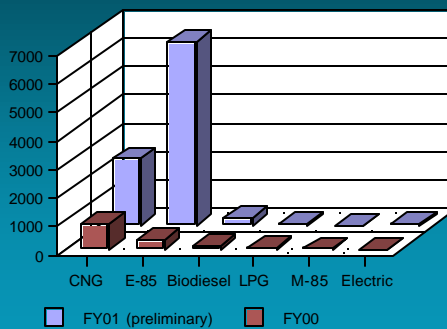
Federal Fleet Petroleum Consumption (million GGE)



Federal AFVs by Fuel Type



Federal Alternative Fuel Consumption (1,000 GGE)



Summary



- Federal fleets are required to acquire AFVs and to use alternative fuels
- Growth in refueling infrastructure needed to meet Federal alternative fuel demands

Information Resources



- www.ott.doe.gov/epact - Information on Federal Fleet Program
- www.fastweb.inel.gov - FAST Reporting Database
- www.fss.gsa.gov/vehicles - Information on vehicle availability, including AFVs
- www.ott.doe.gov/afvuser - Information on the Federal AFV USER Program currently in six (6) pilot cities
- www.afdc.doe.gov - Information on alternative transportation and fuel efficiency, and refueling and recharging sites
- www.ccities.doe.gov - DOE Clean Cities program